

TEAD1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02049

Basic Information

Catalog No.

RM02049

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

TEAD1

Species

Human

Gene ID

7003

Swiss Prot

P28347


Synonyms

AA; NTEF-1; REF1; TCF-13; TCF13;
TEAD-1; TEF-1

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Background

This gene encodes a ubiquitous transcriptional enhancer factor that is a member of the TEA/ATTS domain family. This protein directs the transactivation of a wide variety of genes and, in placental cells, also acts as a transcriptional repressor. Mutations in this gene cause Sveinsson's chorioretinal atrophy. Additional transcript variants have been described but their full-length natures have not been experimentally verified. [provided by RefSeq, May 2010]

Product Information

Description

TEAD1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:23bp insertion and 118bp deletion in exon1

Allele-2:70bp deletion in exon1

Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles.

Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins.

Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging

1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions

4°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

Protocol

To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol).

Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

WT TGA
Mut TGA
Allele-1: 23bp insertion and 118bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and TEAD1 knockout (KO) HeLa cells, using sanger sequencing.

WT TCTGGAGCCCGAC
Mut TCTGGAGCCCGAC
Allele-2: 70bp deletion in exon1